

ABSTRACT

[000167] To provide a floor polish composition which has excellent gloss, black heel mark (BHM) resistance, scuff resistance, and storage stability, which in particular has removability, adhesive properties, stain resistance, and water resistance, which uses no aromatic vinyl monomers in an aqueous resin dispersion for floors and thus has no effects such as sick house syndrome, and which also uses no metal crosslinking and is thus excellent in environmental safety. An aqueous resin dispersion for floors in which a copolymer comprising the monomer units (a), (b), and (c) as the structural units is dispersed in water, wherein the content ratios of each monomer in said aqueous resin dispersion for floors, based on the total amount of all the monomers, are:

- (a) 1 to 70 wt.% vinyl monomer units with an alicyclic structure;
- (b) 5 to 50 wt.% vinyl monomer units with carboxyl groups; and
- (c) 5 to 90 wt.% non-aromatic vinyl monomer units other than (a) and (b) above; as well as a floor polish comprising the dispersion.

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
5 February 2004 (05.02.2004)

PCT

(10) International Publication Number
WO 2004/011567 A1

- (51) International Patent Classification⁷: **C09G 1/16**
- (21) International Application Number:
PCT/US2003/022316
- (22) International Filing Date: 17 July 2003 (17.07.2003)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:
2002220357 29 July 2002 (29.07.2002) JP
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- (81) Designated States (*national*): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (*regional*): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).
- Published:**
— with international search report
- For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.*

(54) Title: AQUEOUS RESIN DISPERSION FOR FLOORS, AND FLOOR POLISH USING SAME

(57) **Abstract:** To provide a floor polish composition which has excellent gloss, black heel mark (BHM) resistance, scuff resistance, and storage stability, which in particular has removability, adhesive properties, stain resistance, and water resistance, which uses no aromatic vinyl monomers in an aqueous resin dispersion for floors and thus has no effects such as sick house syndrome, and which also uses no metal crosslinking and is thus excellent in environmental safety. An aqueous resin dispersion for floors in which a copolymer comprising the monomer units (a), (b), and (c) as the structural units is dispersed in water, wherein the content ratios of each monomer in said aqueous resin dispersion for floors, based on the total amount of all the monomers, are: (a) 1 to 70 wt.% vinyl monomer units with an alicyclic structure; (b) 5 to 50 wt.% vinyl monomer units with carboxyl groups; and (c) 5 to 90 wt.% non-aromatic vinyl monomer units other than (a) and (b) above; as well as a floor polish comprising the dispersion.

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